

Amendment and Response

Serial No.: 09/640,952

Confirmation No.: 3252

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For: EPHA2 AS A DIAGNOSTIC TARGET FOR METASTATIC CANCER (As Amended)

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Protein-tyrosine Kinase in the Eph/ek Family of Protein Kinases, "Mol, Cell. Biol. 10(12), 6316-6324 (1990), rather little is known about EphA2 function.

Please replace the paragraph beginning at page 4, line 6, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

Hybridomas which are specific to EphA2 have been selected. Use of the RIMMS strategy has resulted in the production of various monoclonal antibodies that specifically bind EphA2. Of the first four hybridomas characterized, two recognize independent epitopes on EphA2. The first, D7, recognizes an intracellular epitope. The second, B2D6, binds to an extracellular epitope. D7 has proven to be highly specific for an intracellular epitope of EphA2 and this specificity provides much of the current basis for diagnosis of metastatic tumors. Hybridoma D7, identified as "murine hybridoma D7," was deposited with the American Type Culture Collection (ATCC), 10801 University Blvd., Manassas, VA, 20110-2209, USA, on December 8, 2000, and assigned ATCC number PTA 2755. Hybridoma B2D6, identified as "murine hybridoma B2D6," was deposited with the American Type Culture Collection (ATCC), 10801 University Blvd., Manassas, VA, 20110-2209, USA, on December 8, 2000, and assigned ATCC number PTA 2754.

In the Claims

Please cancel claims ~~2, 22, 29, 32, 48, 70, 71~~ and ~~74~~, amend claims 1, 21, 23, 28, 30, 31, 33, 38-40, 45-47, 49-52, 54-56, 61-63, 72, 73 and 78 and add new claims 82 and 83. The new and amended claims are provided below in clean form. Per 37 C.F.R. §1.121, amended claims are also shown in Appendix A with notations to indicate changes made (for convenience, all pending claims, including those added hereby, are provided in Appendix A).